

OIEP

RAW SEQUENCE LISTING

DATE: 11/06/2001

PATENT APPLICATION: US/09/905,370

TIME: 12:15:46

Input Set : A:\PF0802USSEQLIST.txt

Output Set: N:\CRF3\11062001\I905370.raw

2 <110> APPLICANT: LAL, Preeti
 3 AZIMZAI, Yalda
 4 TANG, Y. Tom
 6 <120> TITLE OF INVENTION: CYTOCHROME P450 VARIANT
 8 <130> FILE REFERENCE: PF-0802 US
 C--> 10 <140> CURRENT APPLICATION NUMBER: US/09/905,370
 C--> 11 <141> CURRENT FILING DATE: 2001-10-15
 13 <150> PRIOR APPLICATION NUMBER: 60/218,934
 14 <151> PRIOR FILING DATE: 2000-07-14
 16 <160> NUMBER OF SEQ ID NOS: 2
 17 <170> SOFTWARE: PERL Program
 19 <210> SEQ ID NO: 1
 20 <211> LENGTH: 504
 21 <212> TYPE: PRT
 22 <213> ORGANISM: Homo sapiens
 24 <220> FEATURE:
 25 <221> NAME/KEY: misc_feature
 26 <223> OTHER INFORMATION: Incyte ID No: 2515666CD1
 28 <400> SEQUENCE: 1
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 30 1 5 10 15
 31 Leu Ala Ser Ala Ile Phe Cys Leu Val Phe Trp Val Leu Lys Gly
 32 20 25 30
 33 Leu Arg Pro Arg Val Pro Lys Gly Leu Lys Ser Pro Pro Gln Pro
 34 35 40 45
 35 Trp Gly Trp Pro Leu Leu Gly His Val Leu Thr Leu Gly Lys Asn
 36 50 55 60
 37 Pro His Leu Ala Leu Ser Arg Met Ser Gln Arg Tyr Gly Asp Val
 38 65 70 75
 39 Leu Gln Ile Arg Ile Gly Ser Thr Pro Val Leu Val Leu Ser Arg
 40 80 85 90
 41 Leu Asp Thr Ile Arg Gln Ala Leu Val Arg Gln Gly Asp Asp Phe
 42 95 100 105
 43 Lys Gly Arg Pro Asp Leu Tyr Thr Ser Thr Leu Ile Thr Asp Gly
 44 110 115 120
 45 Gln Ser Leu Thr Phe Ser Thr Asp Ser Gly Pro Val Trp Ala Ala
 46 125 130 135
 47 Arg Arg Arg Leu Ala Gln Asn Ala Leu Asn Thr Phe Ser Ile Ala
 48 140 145 150
 49 Ser Asp Pro Ala Ser Ser Ser Ser Cys Tyr Leu Glu Glu His Val
 50 155 160 165
 51 Ser Lys Glu Ala Lys Ala Leu Ile Ser Arg Leu Gln Glu Leu Met
 52 170 175 180
 53 Ala Gly Pro Gly His Phe Asp Pro Tyr Asn Gln Val Val Val Ser
 54 185 190 195
 55 Val Ala Asn Val Ile Gly Ala Met Cys Phe Gly Gln His Phe Pro
 56 200 205 210

ENTERED

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57 Glu Ser Ser Asp Glu Met Leu Ser Leu Val Lys Asn Thr His Glu
58          215          220          225
59 Phe Val Glu Thr Ala Ser Ser Gly Asn Pro Leu Asp Phe Phe Pro
60          230          235          240
61 Ile Leu Arg Tyr Leu Pro Asn Pro Ala Leu Gln Arg Phe Lys Ala
62          245          250          255
63 Phe Asn Gln Arg Phe Leu Trp Phe Leu Gln Lys Thr Val Gln Glu
64          260          265          270
65 His Tyr Gln Asp Phe Asp Lys His Ser Lys Lys Gly Pro Arg Ala
66          275          280          285
67 Ser Gly Asn Leu Ile Pro Gln Glu Lys Ile Val Asn Leu Val Asn
68          290          295          300
69 Asp Ile Phe Gly Ala Gly Phe Asp Thr Val Thr Thr Ala Ile Ser
70          305          310          315
71 Trp Ser Leu Met Tyr Leu Val Thr Lys Pro Glu Ile Gln Arg Lys
72          320          325          330
73 Ile Gln Lys Glu Leu Asp Thr Val Ile Gly Arg Glu Arg Arg Pro
74          335          340          345
75 Arg Leu Ser Asp Arg Pro Gln Leu Pro Tyr Leu Glu Ala Phe Ile
76          350          355          360
77 Leu Glu Thr Phe Arg His Ser Ser Phe Leu Pro Phe Thr Ile Pro
78          365          370          375
79 His Ser Thr Thr Arg Asp Thr Thr Leu Asn Gly Phe Tyr Ile Pro
80          380          385          390
81 Lys Lys Cys Cys Val Phe Val Asn Gln Trp Gln Val Asn His Asp
82          395          400          405
83 Pro Glu Leu Trp Glu Asp Pro Ser Glu Phe Arg Pro Glu Arg Phe
84          410          415          420
85 Leu Thr Ala Asp Gly Thr Ala Ile Asn Lys Pro Leu Ser Glu Lys
86          425          430          435
87 Met Met Leu Phe Gly Met Gly Lys Arg Arg Cys Ile Gly Glu Val
88          440          445          450
89 Leu Ala Lys Trp Glu Ile Phe Leu Phe Leu Ala Ile Leu Leu Gln
90          455          460          465
91 Gln Leu Glu Phe Ser Val Pro Pro Gly Val Lys Val Asp Leu Thr
92          470          475          480
93 Pro Ile Tyr Gly Leu Thr Met Lys His Ala Arg Cys Glu His Val
94          485          490          495
95 Gln Ala Arg Leu Arg Phe Ser Ile Asn
96          500
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99 <211> LENGTH: 1790
100 <212> TYPE: DNA
101 <213> ORGANISM: Homo sapiens
103 <220> FEATURE:
104 <221> NAME/KEY: misc_feature
105 <223> OTHER INFORMATION: Incyte ID No: 2515666CB1
107 <400> SEQUENCE: 2
108 cagccattac aaccctgcc atctcaagca cctgcctcta cagttggtac agatggcatt 60

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109 gtcccagtct gtcccttctt cggccacaga gcttctcttg gctcttgcca tcttctgctt 120
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111 acagccatgg ggctggccct tgcctgggca tgtgtgacc ctggggaaga acccgacctt 240
112 ggcaactgtca aggatgagcc agcgtacgg ggacgtctg cagatccgca ttggctccac 300
113 gcccgtgctg gtgtgagcc gcttgagac catccggcag gcccgtgtg ggcagggcga 360
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115 gaccttcagc acagactctg gaccgggtg ggctgcccgc cggcgccctg cccagaatgc 480
116 cctcaacacc ttctccatcg cctctgacct agcttctcct tctctctgt acctggagga 540
117 gcatgtgagc aaggaggcta aggcctgat cagcaggttg caggagctga tggcagggcc 600
118 tgggcacttc gacccttaca atcagggtgg ggtgtcagt gccaacgtca ttggtgccat 660
119 gtgcttcgga cagcaacttc ctgagagtag cgatgagat ctacgctctg tgaagaacac 720
120 tcatgagttc gtggagactg cctcctccgg gaacccccct gaattcttcc ccatecttcg 780
121 ctacctgctt aacctgccc tgcagaggtt caaggccttc aaccagaggt tctgtggtt 840
122 cctgcagaaa acagtccagg agcactatca ggactttgac aagcacagca agaaggggcc 900
123 tagagccagc ggcaacctca tcccacagga gaagattgtc aaccttgta atgacatctt 960
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125 caagcctgag atacagagga agatccagaa ggagctggac actgtgattg gcagggagcy 1080
126 gcggccccgg ctctctgaca gaccccagct gccctacttg gaggccttca tcttgagac 1140
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133 cgggctgacc atgaagcacg cccgctgtga acatgtccag gcgcggctgc gcttctccat 1560
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135 ctacgcccct gtttctcttc ctttcttttt ttaaaaaata gcagctttag ccaagtgcag 1680
136 ggctgtaat cccagcattt tgggaggcca aggttgagg atcatttgag cccaggagtt 1740
137 ggaaagcagc ctggccaaca tagtgggacc ctgtctctac aaaaaaaaaa 1790

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VERIFICATION SUMMARY

PATENT APPLICATION: US/09/905,370

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TIME: 12:15:47

Input Set : A:\PF0802USSEQLIST.txt

Output Set: N:\CRF3\11062001\I905370.raw

L:10 M:270 C: Current Application Number differs, Replaced Current Application Number

L:11 M:271 C: Current Filing Date differs, Replaced Current Filing Date